

**ABSTRACT**

The present invention provides novel human PDE10 polypeptides, polynucleotides encoding the polypeptides, expression constructs comprising the polynucleotides, host cells transformed with the expression constructs; methods for producing PDE10 polypeptides; antisense polynucleotides; and antibodies specifically immunoreactive with the PDE10 polypeptides. The invention further provides methods to identify binding partners of PDE 10, and more particularly, binding partners that modulate PDE10 enzyme activity.